

Fig. 1.

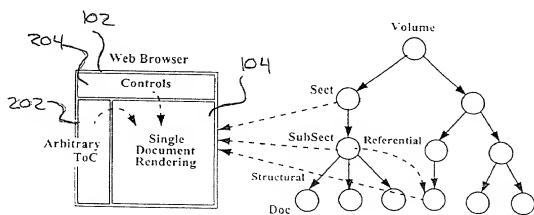


Fig. 2.

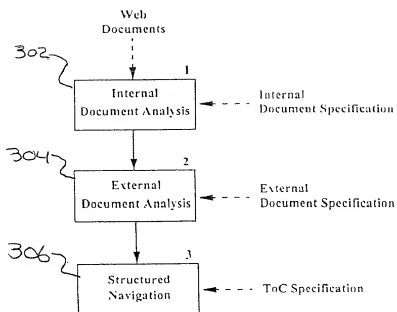


Fig. 3.

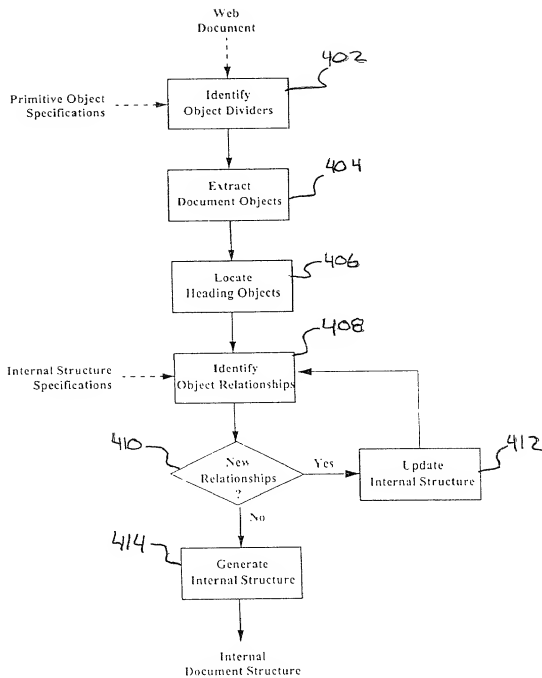


Fig. 4.

```

# Dividers
ObjectDivider ::= <HorizontalLine> | <MajorVerticalSpacing> | ...

# Heading Marks
HeadingMark ::= SectIdSpec | AnyMark | ...
TableMark ::= "Table" TableIdSpec | ...
FigureMark ::= "Figure" FigureIdSpec | ...
FootNoteListMark ::= "Refer to" | ...
FootNoteMark ::= AnyMark | <Number> | ...
SectIdSpec ::= AnyId AnyIdSeparator AnyId AnyIdSeparator ...
TableIdSpec ::= AnyId AnyIdSeparator AnyId AnyIdSeparator ...
FigureIdSpec ::= AnyId AnyIdSeparator AnyId AnyIdSeparator ...
AnyId ::= <Digit> - | <Letter> + | ...
AnyIdSeparator ::= <Dot> | <Dash> | ...
AnyMark ::= <Bullet> | <Dash> | <Asterisk> | <Square> | ...

# Text Properties
FontSpec ::= <FontType> <FontWeight> <FontSize>
PosSpec ::= FirstIndent LeftIndent JustifySpec
FirstIndent ::= <X-Coord> <Y-Coord>
LeftIndent ::= <X-Coord> <Y-Coord>
JustifySpec ::= <LeftJustify> <RightJustify> <CenterJustify>

# Special Objects
AlignedObjectBlock ::= <SingleAlignedBlock> | <DoubleAlignedBlock> | ...
TableObject ::= <Table>
GfxObject ::= <Graphics>

```

Fig. 5. Specification of Primitive Document Objects

```

#      Top-Level Internal Structure
DocStruct ::= DocHeader DocBody DocFooter
DocHeader ::= AlignedObjectBlock <ObjectDivider>
DocFooter ::= <ObjectDivider> AlignedObjectBlock
DocBody ::= DocBlock DocBlock ... FootNoteList
DocBlock ::= HeadingObject NonHeadingObject NonHeadingObject ...
FootNoteList ::= FootNoteListTitle FootNote FootNote ...

#      Heading Objects
HeadingObject ::= RegularHeading | TableTitle | FigureTitle | FootNoteListTitle
RegularHeading ::= HeadingMark HeadingText HeadingMark
HeadingText ::= FontSpec
TableTitle ::= TableMark FontSpec
FigureTitle ::= FigureMark FontSpec
FootNoteListTitle ::= FootNoteListMark FontSpec

#      NonHeading Objects
NonHeadingObject ::= ParaObject | ListObject | TableObject | GfxObject
FootNote ::= FootNoteMark FontSpec
ListObject ::= ListItem ListItem ...
ListItem ::= Mark Member Member ...
Member ::= ParaObject
ParaObject ::= FontSpec PosSpec

```

Fig. 6. Specification of Internal Document Structures

```

#      External Structure
ExternalStruct ::= OverviewDoc Section Section ...
OverviewDoc ::= SimpleDocStruct
Section ::= DocStruct Section2 Section2 ...
Section2 ::= DocStruct2 Section3 Section3 ...
...

#      External View of Documents
SimpleDocStruct ::= <DocContent>
DocStruct ::= SectHeading <DocContent>
SectHeading ::= AnyId
DocStruct2 ::= SectHeading2 <DocContent>
SectHeading2 ::= SectHeading AnyIdSeparator AnyId
...

```

Fig. 7. External Document Structure

# ToC Structure  
 <ToCDoc> ::= <DocTitle> <InternalToC> <SectEntry> <SectEntry> ...  
 <SectEntry> ::= <SectTitle> <InternalToC> <SectEntry2> <SectEntry2> ...  
 <SectEntry2> ::= <SectTitle2> <InternalToC> <SectEntry3> <SectEntry3> ...  
 ...  
 # Internal ToC Structure  
 <InternalToC> ::= <InternalToCEntry> <InternalToCEntry> ...  
 <InternalToCEntry> ::= <RegularHeading>  
 <InternalToCEntry> ::= <FigureTitle>  
 <InternalToCEntry> ::= <TableTitle>

Fig. 8. ToC Specification



